AMENDMENTS TO THE CLAIMS

- 1 (previously presented) A method for producing a pigment, comprising:
- a) adding a phosphorus compound to an aqueous suspension of titanium dioxide base material,
- 3 then

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- 4 b) adding a titanium compound; and
- 5 c) adding an aluminum compound,
- wherein no significant amount of zirconium compound is or has been added to the aqueous suspension of titanium dioxide base material; and then
- 9 d) adjusting the pH value of said suspension to a value of from 8 to 10; and then
- 10 e) adding a magnesium compound.
- 1 2. (Canceled)
- 3. (Original) The method of claim 1, wherein the added phosphorus compound is an inorganic phosphorus compound.
- 4. (currently amended) The method of claim 3 claim 1, wherein the inorganic phosphorus
- 2 compound is selected from the group consisting of alkali phosphates, ammonium
- 3 phosphates, polyphosphates, and phosphoric acid.
- 5. (Original) The method of claim 1, wherein the added phosphorus compound is 0.4 to 6.0%
- by weight calculated as P₂O₅, referred to TiO₂ base material in the suspension.

1	6. (Original) The method of claim 5, wherein the added phosphorus compound is 1.0 to 4.0%
2	by weight, calculated as P ₂ O ₅ , referred to TiO ₂ base material in the suspension.
1	7. (Original) The method of claim 6, wherein the added phosphorus compound is 1.6 to 2.8%
2	by weight, calculated as P ₂ O ₅ , referred to TiO ₂ base material in the suspension.
1	8. (Original) The method of claim 1, wherein the titanium compound added is a hydrolyzable
2	titanium compound.
1	9. (Original) The method of claim 8, wherein the titanium compound added is selected from the
2	group consisting of titanyl sulphate and titanyl chloride.
1	10. (Original) The method of claim 8, wherein the quantity of titanium compound added is 0.1
2	to 3.0% by weight, calculated as TiO ₂ , referred to TiO ₂ base material in the suspension.
1	11. (Original) The method of claim 10, wherein the quantity of titanium compound added is
2	0.1 to 1.5% by weight, referred to TiO ₂ base material in the suspension.
1	12. (Original) The method of claim 11, wherein the quantity of titanium compound added is
2	0.1 to 1.0% by weight, calculated as TiO2, referred to TiO2 base material in the
3	suspension.
1	13. (Original) The method of claim 1, wherein the quantity of titanium compound added is 0.1
2	to 1.0% by weight, calculated as TiO ₂ , referred to TiO ₂ base material in the suspension.
1	14. (Original) The method of claim 1, wherein the aluminum compound added is alkaline.

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1	15. (Original) The method of claim 14, wherein the alkaline aluminum compound is selected
2	from the group consisting of sodium aluminate, alkaline aluminum chloride, and alkaline
3	aluminum nitrate.
1	16. (Original) The method of claim 14, further comprising
2	d) adjusting the pH value of the suspension to a value of from 8 to 10 after step c).
1	17. (Original) The method of claim 1, wherein the aluminum compound added is acidic.
1	18. (Original) The method of claim 17, further comprising:
2	d) adjusting the pH value to a value between 8 and 10 by adding an alkaline aluminum compound.
1	19. (Original) The method of claim 17, further comprising:
2	d) adjusting the pH value to a value between 8 and 10 by adding an alkaline aluminum compound in combination with a base.
1	20. (Original) The method of claim 1, wherein during the addition of the aluminum compound,
2	the pH value of the suspension is maintained constant in the range from 2 to 10 by the
3	simultaneous addition of a pH modifying compound.
1	21. (Original) The method of claim 20, wherein during the addition of the aluminum compound
2	the pH value of the suspension is maintained constant in the range from 4 to 9 by the
3	simultaneous addition of a pH modifying compound.
1	22.(Original) The method of claim 21, wherein during the addition of the aluminum compound,

2	the pH value of the suspension is maintained constant in the range from 6 to 8 by the
3	simultaneous addition of a pH modifying compound.
1	23. (Original) The method of claim 1, wherein the total quantity of the aluminum compounds
2	added is 2.0 to 7.5% by weight, calculated as Al ₂ O ₃ , referred to TiO ₂ base material
1	24. (Original) The method of claim 23, wherein the total quantity of the aluminum compounds
2	added is 3.5 to 7.5% by weight, calculated as Al ₂ O ₃ , referred to TiO ₂ base material.
1	25. (Canceled)
1	26. (previously presented) The method of claim 1, wherein the magnesium compound added is
2	selected from the group consisting of magnesium sulphate and magnesium chloride.
1	27. (previously presented) The method of claim 1, wherein the quantity of magnesium
2	compound added is 0.1 to 1.0% by weight, calculated as MgO, referred to TiO2 base
3	material in the suspension.
1	28. (Original) The method of claim 27, wherein the quantity of magnesium compound added is
2	0.2 to 0.5% by weight, calculated as MgO, referred to TiO2 base material in the
3	suspension.
1	29. (previously presented) The method of claim 1, further comprising
2	f) treating the pigment with an added material in order to influence the final pH value of the
3	suspension wherein the final pH value of the pigment is controlled by the pH and the quantity of
4	the added material.
1	30. (Original) The method of claim 29, where the added material is a nitrate compound.

31. (Original) The method of claim 30, where the finished pigment contains up to 1.0% by 1 2 weight NO₃. 32. (canceled) 1 33. (canceled) I 34. (Original) The method of claim 1, where the titanium dioxide base material is milled before 1 2 step a). 35. (Original) The method of claim 34, where the titanium dioxide base material is wet-milled 1 2 and where a dispersant is added during milling. 1 36-39. (canceled) 40. (previously presented) A material, comprising; 1 a titanium dioxide pigment material; the titanium dioxide comprising TiO2 particles, each particle 2 3 having a surface; 4 phosphorus containing material attached to the surface of each particle; 5 titanium containing material additional to the titanium dioxide material of the surface attached to 6 the phosphorus containing material; and 7 aluminum containing material attached to the titanium containing material additional to the 8 titanium dioxide material of the surface, and;

9	magnesium containing material attached to the aluminum containing material.
1	41. (Canceled)
1	42. (previously presented) The material of claim 40, further comprising;
2	nitrate containing material attached to the aluminum containing material.
1	43.(previously presented) The material of claim 40. further comprising;
2	nitrate and magnesium containing material attached to the aluminum containing material.
1 2	44.(previously presented) The material of claim 40, wherein the resultant particles contain an insignificant amount of zirconium.
1 2	45. (previously presented) The material of claim 40, wherein the titanium dioxide pigment material is incorporated into a decorative laminated paper.
l	46. (canceled)
1 2	47. (previously presented) The material of claim 40, wherein the titanium dioxide pigment material is incorporated into a decorative laminated paper.
1 2	48. (previously presented) The material of claim 42, wherein the titanium dioxide pigment material is incorporated into a decorative laminated paper.

material is incorporated into a decorative laminated paper.

49. (previously presented) The material of claim 43, wherein the titanium dioxide pigment

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1 50. (previously presented) The material of claim 44, wherein the titanium dioxide pigment 2 material is incorporated into a decorative laminated paper. 51. (Canceled) 1 52. (previously presented) A method for producing a pigment, comprising: 1 2 a) adding a phosphorus compound to an aqueous suspension of titanium dioxide base material, 3 then b) adding a titanium compound; and 4 5 c) adding an acidic aluminum compound wherein no significant amount of zirconium compound is or has been added to the aqueous suspension of titanium dioxide base material; and then 6 7 d) adjusting the pH value of said suspension to a value of from 8 to 10; and then 8 e) adding a magnesium compound.

54. (previously presented) The method of claim 52, further comprising:

53. (previously presented The method of claim 52, further comprising:

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compound.

d f) adjusting the pH value to a value between 8 and 10 by adding an alkaline aluminum compound in combination with a base.

f) adjusting the pH value to a value between 8 and 10 by adding an alkaline aluminum

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1	55. (previously presented) A method for producing a pigment, comprising:
2	a) adding a phosphorus compound to an aqueous suspension of titanium dioxide base material, then
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4	b) adding a titanium compound; and
5	c) adding an aluminum compound, and then
	d) adding a magnesium compound.
1	56.(previously presented) The method of claim 55, wherein the magnesium compound added is
2	selected from the group consisting of magnesium sulphate and magnesium chloride.
1	57. (previously presented) The method of claim 55, wherein the quantity of magnesium
2	compound added is 0.1 to 1.0% by weight, calculated as MgO, referred to TiO ₂ base
3	material in the suspension.
1	58. (previously presented) The method of claim 57, wherein the quantity of magnesium
2	compound added is 0.2 to 0.5% by weight, calculated as MgO, referred to TiO ₂ base
3	material in the suspension.
1	59. (previously presented) The method of claim 55, further comprising
2	e) treating the pigment with an added material in order to influence the final pH value of the
3	suspension wherein the final pH value of the pigment is controlled by the pH and the
4	quantity of the added material.

60. (previously presented) The method of claim 59, where the added material is a nitrate

- 2 compound.
- 1 61. (Previously presented) The method of claim 60, where the finished pigment contains up to
- 2 1.0% by weight NO₃.